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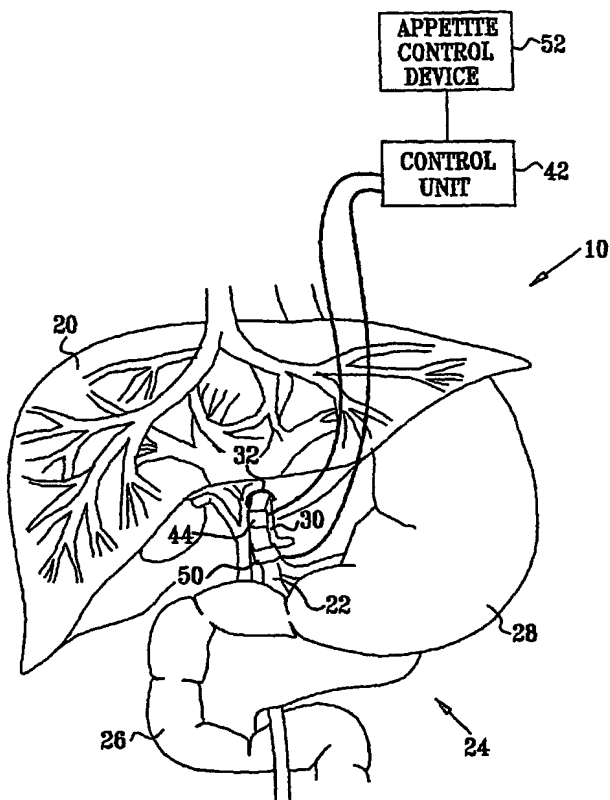
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| <p>(51) <b>International Patent Classification<sup>7</sup>:</b></p> <p>(21) <b>International Application Number:</b></p> <p>(22) <b>International Filing Date:</b></p> <p>(25) <b>Filing Language:</b></p> <p>(26) <b>Publication Language:</b></p> <p>(30) <b>Priority Data:</b></p> <p>(71) <b>Applicant (for all designated States except US):</b></p> <p>(72) <b>Inventors; and</b></p> <p>(75) <b>Inventors/Applicants (for US only):</b></p> | <p><b>A61N</b></p> <p><b>PCT/IL2004/000551</b></p> <p><b>20 June 2004 (20.06.2004)</b></p> <p><b>English</b></p> <p><b>English</b></p> <p><b>60/480,208                      20 June 2003 (20.06.2003)    US</b><br/> <b>60/488,964                      21 July 2003 (21.07.2003)    US</b></p> <p><b>IMPULSE DYNAMICS NV [NL/NL]; 3LB Smithplein, P.O. Box 4, Curacao (AN).</b></p> <p><b>GLASBERG, Ofer</b></p> | <p><b>[IL/IL]; 5 Farog Street, 32447 Haifa (IL). HAREL, Tami [IL/IL]; 6 Hatzolelet Dakar Street, 34862 Haifa (IL).</b></p> <p><b>(74) Agents: SANFORD T. COLB &amp; CO. et al.; P.O. Box 2273, 76122 Rehovot (IL).</b></p> <p><b>(81) Designated States (unless otherwise indicated, for every kind of national protection available):</b> AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.</p> <p><b>(84) Designated States (unless otherwise indicated, for every kind of regional protection available):</b> ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,</p> |
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*[Continued on next page]*

- (54) Title:** HEPATIC DEVICE FOR TREATMENT, EATING DETECTION, AND GLUCOSE LEVEL DETECTION



**(57) Abstract:** A method is provided for treating a subject, including applying an electrical current to a hepatic portal vein (22) of the subject, and configuring the current so as to increase glucose uptake by tissue of the subject. A method is also provided, including sensing an electrical signal generated by a portoarterial glucose sensor of a subject, analyzing the signal, and responsive to the analyzing, detecting eating by the subject.



FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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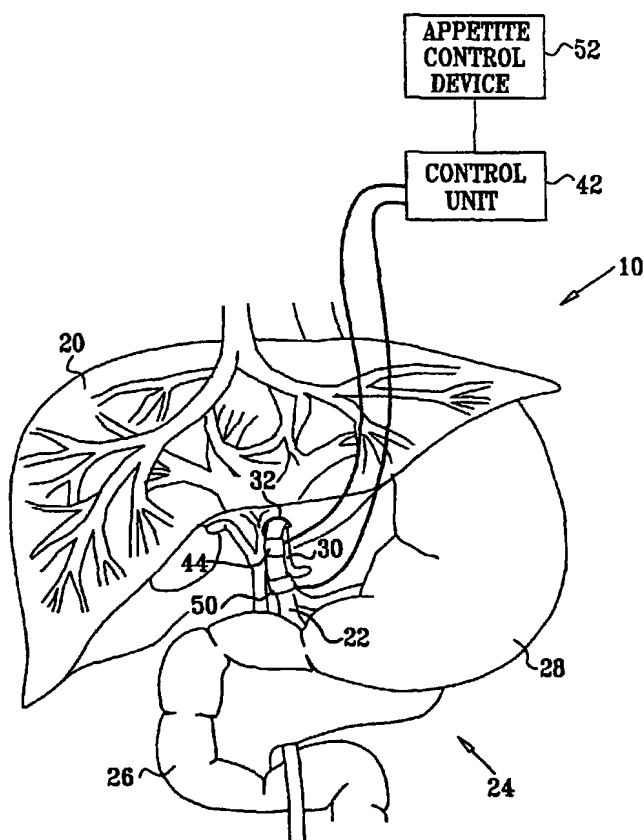
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- (72) Inventors; and  
(75) Inventors/Applicants (for US only): GLASBERG, Ofer [IL/IL]; 5 Farog Street, 32447 Haifa (IL). HAREL, Tami [IL/IL]; 6 Hatzolelet Dakar Street, 34862 Haifa (IL).
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(54) Title: HEPATIC DEVICE FOR TREATMENT OR GLUCOSE DETECTION



(57) Abstract: A method is provided for treating a subject, including applying an electrical current to electrode device (44) attached to a hepatic portal vein (22) of the subject, and configuring the current so as to increase glucose uptake by tissue of the subject. A method is also provided, including sensing an electrical signal generated by a portoarterial glucose sensor of a subject, analyzing the signal, and responsive to the analyzing, detecting eating by the subject.



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